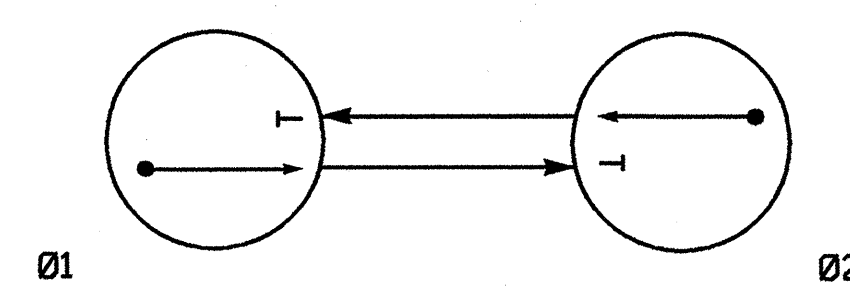


**PHASING DIAGRAM**

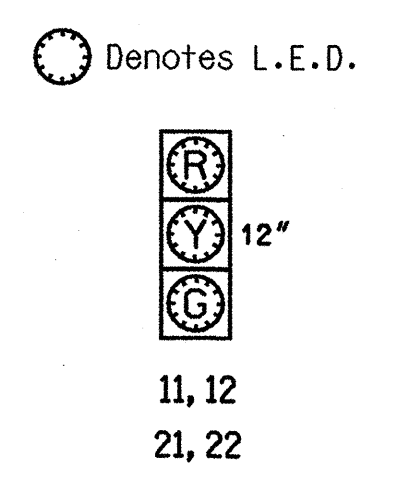


**PHASING DIAGRAM DETECTION LEGEND**  
 ←●→ DETECTED MOVEMENT  
 ←○→ UNDETECTED MOVEMENT (OVERLAP)  
 ←---→ UNSIGNALIZED MOVEMENT  
 ←- - -> PEDESTRIAN MOVEMENT

**TABLE OF OPERATION**

SIGNAL FACE	PHASE		
	Ø 1	Ø 2	F L C H
11, 12	G	R	R
21, 22	R	G	R

**SIGNAL FACE I.D.**



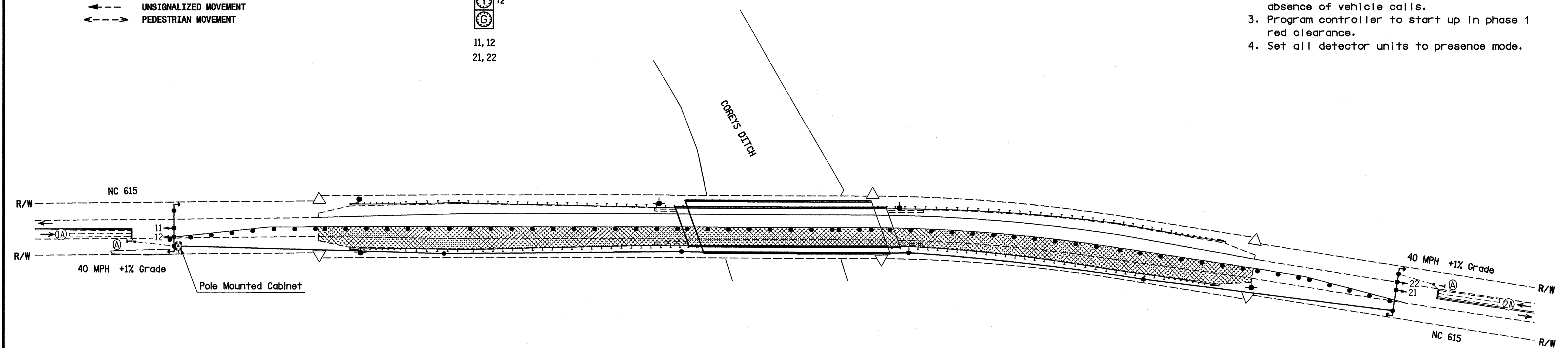
**2070L LOOP & DETECTOR INSTALLATION**

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING							
	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	6x60	2-4-2	0	1	Y	Y	-	-	-	-	-
2A	6x60	2-4-2	0	2	Y	Y	-	-	-	-	-

**2 Phase Fully Actuated (Isolated)**

**NOTES**

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
2. Program controller to rest in red in the absence of vehicle calls.
3. Program controller to start up in phase 1 red clearance.
4. Set all detector units to presence mode.



**2070L TIMING CHART**

FEATURE	PHASE	
	1	2
Min Green 1 *	12	12
Extension 1 *	2.0	2.0
Max Green 1 *	30	30
Yellow Clearance	4.0	4.0
Red Clearance	25.0	25.0
Walk 1 *	-	-
Don't Walk 1	-	-
Dynamic Max /Max.3	120	120
Dynamic Max Adjust	15.0	15.0
Seconds Per Actuation *	-	-
Max Variable Initial *	-	-
Time Before Reduction *	-	-
Time To Reduction *	-	-
Minimum Gap	-	-
Recall Mode	-	-
Vehicle Call Memory	-	-
Dual Entry	-	-
Simultaneous Gap	ON	ON

\* These values may be field adjusted. Min Green for all phases should not be lower than 4 seconds.

**PLAN QUANTITIES**

Pay Item	Feet
Signal Cable	0
Messenger Cable	0
Lead-in Cable	0

**LEGEND**

PROPOSED	EXISTING
○→ Traffic Signal Head	●→ Traffic Signal Head
○→ Modified Signal Head	N/A
○→ Sign	N/A
○→ Pedestrian Signal Head With Push Button & Sign	N/A
○→ Signal Pole with Guy	○→ Signal Pole with Sidewalk Guy
○→ Inductive Loop Detector	○→ Inductive Loop Detector
□→ Controller & Cabinet	□→ Junction Box
□→ 2-in Underground Conduit	□→ 2-in Underground Conduit
N/A	△→ Right of Way with Marker
→	→ Directional Arrow
→	→ Pavement Marking Arrow
N/A	— — Guardrail
▨	▨ Construction Zone
○	○ Construction Zone Drums
Ⓐ	Ⓐ "Stop Here On Red" Sign (R10-6)

Temporary Design 3 Construction Phase III

Prepared in the Offices of:  
  
**Bridge Number 7 on NC 615 Over Corey's Ditch**  
 Division 1 Currituck County McKay Island  
 PLAN DATE: January 2003 REVIEWED BY: R. J. Ziemba  
 PREPARED BY: C. E. Carter REVIEWED BY:  
 REVISIONS: INIT. DATE  
 SCALE: 1"=50'  
  
 SIGNATURE: *Timothy J. Williams* DATE: 1/21/03  
 SIG. INVENTORY NO. 01-072173